

DERWENT-ACC-NO: 1984-034294

DERWENT-WEEK: 198406

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TITLE: Corona discharge treatment of plastics
mouldings - with discharge side electrode enclosed by hood

PATENT-ASSIGNEE: TOYOBO KK[TOYM]

PRIORITY-DATA: 1982JP-0108219 (June 22, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 58225133 A	December 27, 1983	N/A
007 N/A		
JP 90025935 B	June 6, 1990	N/A
000 N/A		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 58225133A	N/A	1982JP-0108219
June 22, 1982		
JP 90025935B	N/A	1982JP-0108219
June 22, 1982		

INT-CL (IPC): C08J007/10

ABSTRACTED-PUB-NO: JP 58225133A

BASIC-ABSTRACT:

In the corona discharge treatment of plastics, mouldings esp. of plastics film such as polyethylene film, polypropylene film, etc., using a corona discharge treatment device having at least 1 pair of electrodes and having the discharge side electrode enclosed with a hood, a single or mixed inert gas is blown against the surface of plastic forming to which corona discharge treatment is applied at a speed above 1% of the feed speed of plastic mouldings through a

gas blowing port (5) of a slit-form provided on the discharge side electrode
(3).

The air carried into the hood together with plastics, mouldings is dispersed precisely by the blowing gas. A discharge zone free from air may be formed exactly using a small amt. of inert gas.

CHOSEN-DRAWING: Dwg.1,2,3/

TITLE-TERMS: CORONA DISCHARGE TREAT PLASTICS MOULD DISCHARGE SIDE ELECTRODE
ENCLOSE HOOD

DERWENT-CLASS: A17 A35

CPI-CODES: A10-E10; A11-C04; A12-S06B;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0229 0239 0248 2018 2019 2196 2198 2372 2478 2513 2545

Multipunch Codes: 014 03- 041 046 047 050 231 359 388 435 466 467 476
688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1984-014610

DERWENT-ACC-NO: 1993-286923

DERWENT-WEEK: 199336

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TITLE: Electro-filter - has corona and depositing
electrodes of two field sections offset relative to each
other and uses sections to remove coarse and fine particles

INVENTOR: IZOKH, A I

PATENT-ASSIGNEE: GASES IND SANITARY PURIF RES INST[GASER]

PRIORITY-DATA: 1989SU-4770725 (November 4, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
SU 1763024 A1	September 23, 1992	N/A
003 B03C 003/08		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
SU 1763024A1	N/A	1989SU-4770725
November 4, 1989		

INT-CL (IPC): B03C003/08

ABSTRACTED-PUB-NO: SU 1763024A

BASIC-ABSTRACT:

Gas with dust passes through an inlet tube (2) into a body (1) of an electro-filter and the dust is charged in the electric field (4) formed between depositing and corona electrodes (6,7). The dust settles on the depositing electrodes (6) during a flow of gas in the channel between the depositing electrodes (6) of a determined width and length. At the end of the electric field (4), the gas flow speed is max. in the centres of the channels between the depositing electrodes (6) and is min. against the depositing

electrodes
(6), where coarse fractions are deposited.

The partially cleaned gas passes to a second electric field (5) and the fine dust particles are close to the offset depositing electrodes (6) of this field, ensuring their intense depositing and preventing their carrying away. The cleaned gas passes from an outlet pipe (3) from the electro-filter.

USE/ADVANTAGE - Used for electric cleaning of gases. Better degree of cleaning and prevention of carrying away of fine particles are ensured.
Bul.35/23.9.92

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: ELECTRO FILTER CORONA DEPOSIT ELECTRODE TWO FIELD
SECTION OFFSET
RELATIVE SECTION REMOVE COARSE FINE PARTICLE

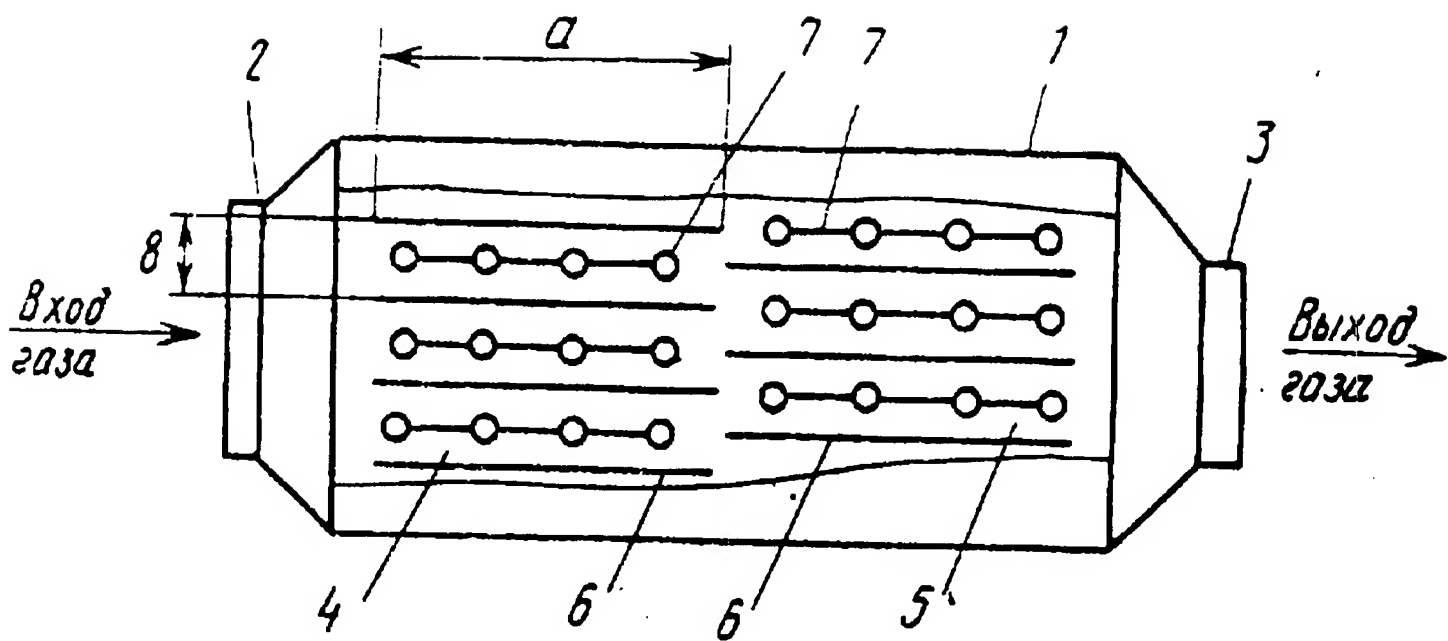
DERWENT-CLASS: J01 P41 X25

CPI-CODES: J01-G04;

EPI-CODES: X25-H02A;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1993-128051
Non-CPI Secondary Accession Numbers: N1993-220697



DERWENT-ACC-NO: 2002-364518

DERWENT-WEEK: 200456

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TITLE: Printer contains chamber with sealed
compartment,
cylinder and
high-voltage electrodes, counter electrode,
print material.

INVENTOR: IHME, A

PATENT-ASSIGNEE: MAN ROLAND DRUCKMASCHINEN AG[MAUG]

PRIORITY-DATA: 2000DE-1050517 (October 11, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
DE 50102908 G	August 26, 2004	N/A
000 B41F 023/04		
EP 1199165 A1	April 24, 2002	G
009 B41F 023/04		
DE 10050517 A1	May 2, 2002	N/A
000 B41F 023/00		
EP 1199165 B1	July 21, 2004	G
000 B41F 023/04		

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU
LV MC MK
NL PT RO SE SI TR AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL
PT SE TR

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 50102908G	N/A	2001DE-0502908
September 28, 2001		
DE 50102908G	N/A	2001EP-0123413
September 28, 2001		
DE 50102908G	Based on	EP 1199165
N/A		
EP 1199165A1	N/A	2001EP-0123413
September 28, 2001		
DE 10050517A1	N/A	2000DE-1050517
October 11, 2000		

EP 1199165B1
September 28, 2001

N/A

2001EP-0123413

INT-CL (IPC): B41F022/00, B41F023/00 , B41F023/04 , F26B003/28 ,
F26B013/00

ABSTRACTED-PUB-NO: EP 1199165A

BASIC-ABSTRACT:

NOVELTY - The printer's chamber (3), in conjunction with a print moved onto a surface, produces a compartment sealed against the outer atmosphere. An edge of the chamber has a high-voltage electrode (6,7,8) which acts together with an electrically conductive surface beneath the print material (2), as a counter-electrode. The chamber has a cylinder (1) supporting the print material.

USE - Printing appliance on material inside a printer.

ADVANTAGE - The chamber is sealed and prevents smearing.

DESCRIPTION OF DRAWING(S) - The drawing shows a seal for an inert gas chamber with UV excimer radiator.

Cylinder 1

Print material 2

Chamber 3

Electrode. 6,7,8

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: PRINT CONTAIN CHAMBER SEAL COMPARTMENT HIGH VOLTAGE
ELECTRODE

COUNTER ELECTRODE CYLINDER PRINT MATERIAL

DERWENT-CLASS: P74 Q76

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2002-284871